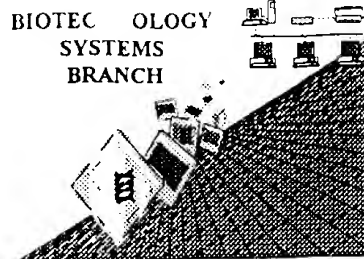


## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/641,319

Source: OIPE

Date Processed by STIC: 6-8-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST 25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/641,319

DATE: 06/08/2001

TIME: 16:49:41

Input Set : A:\04578~1.txt

Output Set: N:\CRF3\06082001\I641319.raw

Does Not Comply  
Corrected Diskette Needed

See p 6

3 <110> APPLICANT: Slater, Michael  
4 Huang, Fen  
5 Hartnett, James  
7 <120> TITLE OF INVENTION: Mutant TNE Polymerases  
9 <130> FILE REFERENCE: PRMG-04578  
11 <140> CURRENT APPLICATION NUMBER: 09/641,319  
C--> 12 <141> CURRENT FILING DATE: 2001-05-08  
14 <150> PRIOR APPLICATION NUMBER: 09/385,986  
15 <151> PRIOR FILING DATE: 1999-08-30  
17 <150> PRIOR APPLICATION NUMBER: 08/484,661  
18 <151> PRIOR FILING DATE: 1996-06-07  
20 <160> NUMBER OF SEQ ID NOS: 51  
22 <170> SOFTWARE: PatentIn version 3.0  
24 <210> SEQ ID NO: 1  
25 <211> LENGTH: 2642  
26 <212> TYPE: DNA  
27 <213> ORGANISM: Thermotoga neapolitana  
29 <220> FEATURE:  
30 <221> NAME/KEY: CDS  
31 <222> LOCATION: (1)..(2679)  
33 <400> SEQUENCE: 1  
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36 1 5 10 15  
38 tat tac gcc ctc gac aga tcc ctt taa aca tcc aca gga att cca aag 96  
39 Tyr Tyr Ala Leu Asp Arg Ser Leu Ser Thr Ser Thr Gly Ile Pro Thr  
40 20 25 30  
42 aac gcc gtc tat ggc gtt gcc agg atc ctc gtt aaa ttc ata aag gaa 144  
43 Asn Ala Val Tyr Gly Val Ala Arg Met Leu Val Lys Phe Ile Lys Glu  
44 35 40 45  
46 cac att ata ccc gaa aag gac tac ggg gct ctg gcc ttc gac aag aag 192  
47 His Ile Ile Pro Glu Lys Asp Tyr Ala Ala Val Ala Phe Asp Lys Lys  
48 50 55 60  
50 gca gcg aag ttc aga cac aaa ctg ctc gaa gcg tac aag gcg caa agg 240  
51 Ala Ala Thr Phe Arg His Lys Leu Leu Glu Ala Tyr Lys Ala Gln Arg  
52 65 70 75 80  
54 cca aag aag cgg gat ctt cta gtt ccc cag cta cct tac atc aag cgg 288  
55 Pro Lys Thr Pro Asp Leu Leu Val Gln Gln Leu Pro Tyr Ile Lys Arg  
56 85 90 95  
58 ctg ata gaa gct ctt ggt ttc aaa ggc ctg gag ctg gaa gga tac gaa 336  
59 Leu Ile Glu Ala Leu Gly Phe Lys Val Leu Glu Leu Glu Gly Tyr Glu  
60 100 105 110  
62 gca gac gat atc atc gcc aag ctt ggc gtc aag ggc tgc aag ttt ttt 384  
63 Ala Asp Asp Ile Ile Ala Thr Leu Ala Val Lys Gly Cys Thr Phe Phe  
64 115 120 125  
66 gat gag att ttc ata ata acc ggt gat aag gat atg ctt caa ctt gta 432  
67 Asp Glu Ile Phe Ile Ile Thr Gly Asp Lys Asp Met Leu Gln Leu Val

## RAW SEQUENCE LISTING

DATE: 06/08/2001

PATENT APPLICATION: US/09/641,319

TIME: 16:49:41

Input Set : A:\04578~1.txt

Output Set: N:\CRF3\06082001\I641319.raw

68	130	135	140	
70	aac gag aag ata aag gtc tgg aga atc gtc aag gga ata tcg gat ctt	440		
71	Asn Glu Lys Ile Lys Val Trp Arg Ile Val Lys Gly Ile Ser Asp Leu			
72	145	150	155	160
74	gag ctt tac gat tgg aaa aag gtc aaa gaa aga tac ggt gtc gaa cca	512		
75	Glu Leu Tyr Asp Ser Lys Lys Val Lys Glu Arg Tyr Gly Val Glu Pro			
76	165	170	175	
78	cat cag ata cag gat ctt cta gaa cta aac gga gac gag ata gac aac	576		
79	His Gln Ile Pro Asp Leu Leu Ala Leu Thr Gly Asp Glu Ile Asp Asn			
80	180	185	190	
82	att ccc ggt gta aag gga ata ggt gaa aac aac gat gta cag ctt ctc	640		
83	Ile Pro Gly Val Thr Gly Ile Gly Glu Lys Thr Ala Val Gln Leu Leu			
84	195	200	205	
86	ggc aag tac aga aat ctt gaa gac att cta gag cat gat cgt gaa ctc	672		
87	Gly Lys Tyr Arg Asn Leu Glu Asp Ile Leu Glu His Ala Arg Glu Leu			
88	210	215	220	
90	ccc cag aga gtc aga aag gat ctc tgg aga gac aag gaa gtt gac atc	720		
91	Pro Gln Arg Val Arg Lys Ala Leu Leu Arg Asp Arg Glu Val Ala Ile			
92	225	230	235	240
94	ctc agt aaa aaa ctt gaa aat ctc gtc aag aac gaa cct gtt gaa gtc	768		
95	Leu Ser Lys Lys Leu Ala Thr Leu Val Thr Asn Ala Pro Val Gln Val			
96	245	250	255	
98	gac tgg gaa gag atg aac tac aga gga tac gac aag aga aac cta ctt	816		
99	Asp Trp Glu Glu Met Lys Tyr Arg Gly Tyr Asp Lys Arg Lys Leu Leu			
100	260	265	270	
102	cag ata ttg aaa gaa ctc gag ttt gct ttc atc atg aag gaa ctt caa	864		
103	Pro Ile Leu Lys Glu Leu Glu Phe Ala Ser Ile Met Lys Glu Leu Gln			
104	275	280	285	
106	ctg tac gaa gaa cca gaa tcc acc gga ttc gaa ttc gtc aag gat cat	912		
107	Leu Tyr Glu Glu Ala Glu Pro Thr Gly Tyr Glu Ile Val Lys Asp His			
108	290	295	300	
110	aag acc ttc gaa gat ctc atc gaa aag ctc aag aag gtt gaa tct ttt	960		
111	Lys Thr Phe Glu Asp Leu Ile Glu Lys Leu Lys Glu Val Pro Ser Phe			
112	305	310	315	320
114	gcc ctg gac ctt gaa aag tcc tcc ctt gac tgg ttc aac ttt gag ata	1008		
115	Ala Leu Asp Leu Glu Thr Ser Ser Leu Asp Pro Phe Asn Lys Glu Ile			
116	325	330	335	
118	gtc ggc atc tcc ctg tgg ttc aaa cag aac cca gct tat ttc att cca	1056		
119	Val Gly Ile Ser Val Ser Phe Lys Pro Lys Thr Ala Tyr Tyr Ile Pro			
120	340	345	350	
122	ctt cat cag aga aac ggc cag aat ctt gat gaa aac ctg gtc ctg tgg	1104		
123	Leu His His Arg Asn Ala Gln Asn Leu Asp Glu Thr Leu Val Leu Ser			
124	355	360	365	
126	aag ttg aaa gag atc ctc gaa gac cag tct tgg aag att gtc gct cag	1152		
127	Lys Leu Lys Glu Ile Leu Glu Asp Pro Ser Ser Lys Ile Val Gly Gln			
128	370	375	380	
130	aac ctg aag tac gac tac aag gtt ctt atg gaa aag ggt ata tgg cca	1200		
131	Asn Leu Lys Tyr Asp Tyr Lys Val Leu Met Val Lys Gly Ile Ser Pro			
132	385	390	395	400

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/641,319

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Input Set : A:\04578~1.txt

Output Set : N:\CRF3\06082001\I641319.raw

134	gtt	tat	ccg	cat	ttt	gac	acg	atg	ata	gct	gca	tat	ttg	ctg	gag	cca	1248
135	Val	Tyr	Pro	His	Phe	Asp	Thr	Met	Ile	Ala	Ala	Tyr	Leu	Leu	Glu	Pro	
136					405					410					415		
138	aac	gag	aaa	aaa	ttc	aat	ctc	gaa	gat	ctg	tct	ttg	aaa	ttt	ctc	gga	1296
139	Asn	Glu	Lys	Lys	Phe	Asn	Leu	Glu	Asp	Leu	Ser	Leu	Lys	Phe	Leu	Gly	
140				420					425					430			
142	tac	aaa	atg	acg	tct	tat	cag	gaa	ctg	atg	tcg	ttt	tcc	tca	cca	ctt	1344
143	Tyr	Lys	Met	Thr	Ser	Tyr	Gln	Glu	Leu	Met	Ser	Phe	Ser	Ser	Ser	Pro	Leu
144			435				440				445						
146	ttt	ggt	ttc	agc	ttt	gag	gat	gtt	cgg	gta	gac	aag	gct	gcg	gac	tat	1392
147	Phe	Gly	Phe	Ser	Phe	Ala	Asp	Val	Pro	Val	Asp	Lys	Ala	Ala	Asn	Tyr	
148		450				455					460						
150	tcc	tgc	gag	gac	gca	gac	atc	act	tat	agg	ctc	tac	aag	ata	ctc	agg	1440
151	Ser	Cys	Glu	Asp	Ala	Asp	Ile	Thr	Tyr	Arg	Leu	Tyr	Lys	Ile	Leu	Ser	
152	465				470				475			480					
154	atg	aag	ctc	cat	gaa	gag	gaa	ttt	gag	gac	ctc	ttc	tac	agg	ata	gag	1488
155	Met	Lys	Leu	His	Glu	Ala	Glu	Leu	Glu	Asn	Val	Phe	Tyr	Arg	Ile	Glu	
156			485						490			495					
158	atg	ccg	ctt	gtg	aac	ggt	ctt	gta	cca	atc	gaa	ttg	aac	ggg	gtg	tat	1536
159	Met	Pro	Leu	Val	Asn	Val	Leu	Ala	Arg	Met	Glu	Leu	Asn	Gly	Val	Tyr	
160			500					505			510						
162	gtg	gac	aca	gaa	ttc	ctg	aaa	aag	ctc	tcc	gag	gac	tac	ggc	aaa	agg	1584
163	Val	Asp	Thr	Glu	Phe	Leu	Lys	Lys	Leu	Ser	Glu	Glu	Tyr	Gly	Lys	Lys	
164		515				520				525							
166	ctc	gag	gaa	ctg	gac	gaa	aaa	atc	tac	cag	ata	gca	gaa	gac	cca	ttc	1632
167	Leu	Glu	Glu	Leu	Ala	Glu	Lys	Ile	Tyr	Gln	Ile	Ala	Gly	Glu	Pro	Phe	
168		530				535				540							
170	aac	atc	aat	tcc	cca	aaa	cag	gtt	tca	aag	atc	ctt	ttt	gag	aag	ctg	1680
171	Asn	Ile	Asn	Ser	Pro	Lys	Gln	Val	Ser	Lys	Ile	Leu	Phe	Glu	Lys	Leu	
172	545				550				555			560					
174	gga	ata	aaa	ccc	ggt	gga	aaa	acg	aca	aaa	aca	gga	ggg	tac	tct	acc	1728
175	Gly	Ile	Lys	Pro	Arg	Gly	Lys	Thr	Thr	Lys	Thr	Gly	Ala	Tyr	Ser	Thr	
176			565					570			575						
178	agg	ata	gag	gtg	tgg	gia	gag	ata	ggg	aat	gag	cat	gag	ata	gta	ccc	1776
179	Arg	Ile	Glu	Val	Leu	Glu	Glu	Ile	Ala	Asn	Glu	His	Glu	Ile	Val	Pro	
180			580					585			590						
182	ctc	att	ctc	gag	tac	aga	aag	atc	cag	aat	ctg	aaa	tgg	acc	tac	ata	1824
183	Leu	Ile	Leu	Gln	Tyr	Arg	Lys	Ile	Gln	Lys	Leu	Lys	Ser	Thr	Tyr	Ile	
184		595				600				605							
186	gac	acc	ctt	ccg	aaa	ctt	gtg	aac	ccg	aaa	acc	gga	aga	att	cat	gga	1872
187	Asp	Thr	Leu	Pro	Lys	Leu	Val	Asn	Pro	Lys	Thr	Gly	Arg	Ile	His	Ala	
188		610				615				620							
190	tct	ttc	cac	cag	atg	ggt	acc	gac	act	ggc	agg	ttg	agt	agc	agt	gat	1920
191	Ser	Phe	His	Gln	Thr	Gly	Thr	Ala	Thr	Gly	Arg	Leu	Ser	Ser	Ser	Asp	
192	625				630				635			640					
194	cca	aat	ctt	cag	aat	ctt	ccg	aca	aag	agg	gaa	gag	gga	aaa	gaa	att	1968
195	Pro	Asn	Leu	Gln	Asn	Leu	Pro	Thr	Lys	Ser	Glu	Glu	Gly	Lys	Glu	Ile	
196			645					650			655						
198	aga	aaa	ggc	att	gtg	ccc	cag	gat	cca	gac	tgg	tgg	atc	gtc	agt	ggc	2016

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/641,319

DATE: 06/08/2001

TIME: 16:49:41

Input Set : A:\04578~1.txt

Output Set: N:\CRF3\06082001\I641319.raw

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199 Arg Lys Ala Ile Val Pro Gln Asp Pro Asp Trp Trp Ile Val Ser Ala
200      660      675      690
202 gat tat tcc caa ata gaa ctc aga atc ctc gct cat ctc agt ggt gat      7064
203 Asp Tyr Ser Gln Ile Gln Leu Arg Ile Leu Ala His Leu Ser Gly Asp
204      675      690      685
206 gag aac ctt atg aag ggc ttc gag gag ggc atc gat atg caa acc atg      7112
207 Glu Asn Leu Val Lys Ala Phe Glu His Gly Ile Asp Val His Thr Leu
208      690      695      700
210 act ggc tcc agg atc tac aac gta aag cca gaa gaa atg aac gaa gaa      7160
211 Thr Ala Ser Arg Ile Tyr Asn Val Lys Pro Glu Val Asn Gln Gln
212 705      710      715      720
214 atg cga cgg gtt gga aag atg atg aac ttc tct ata ata tac agt atc      7208
215 Met Arg Arg Val Gly Lys Met Val Asn Phe Ser Ile Ile Tyr Gly Val
216      725      730      735
218 aca cag tac agt ctt tct atg aga att gga ata cag gtt aac gaa gaa      7296
219 Thr Pro Tyr Gly Leu Ser Val Arg Leu Gly Ile Pro Val Lys Gln Ala
220      740      745      750
222 gaa aag atg att atc agc tat ttc tta ctc tat cca aag atg cga agt      7304
223 Glu Lys Met Ile Ile Ser Tyr Phe Thr Leu Tyr Pro Lys Val Arg Ser
224      755      760      765
226 tac atc cag cag gtt gtt gca gag gta aaa gag aag ggc tac gtc agg      7362
227 Tyr Ile Gln Gln Val Val Ala Glu Ala Lys Glu Lys Gly Tyr Val Arg
228      770      775      780
230 act ctc ttt gta aga aaa aga gat att cca cag ctc atg gca agg gac      7400
231 Thr Leu Phe Gly Arg Lys Arg Asp Ile Pro Gln Leu Met Ala Arg Asp
232 785      790      795      800
234 aag aac acc cag tcc gaa ggc gaa aga atc gca ata aac acc cca att      7448
235 Lys Asn Thr Gln Ser Glu Gly Glu Arg Ile Ala Ile Asn Thr Pro Ile
236      805      810      815
238 cag cga aag gag gaa gat ata ata aia ttc gct atg ata gat ata gac      7496
239 Gln Gly Thr Ala Ala Asp Ile Ile Lys Leu Ala Met Ile Asp Ile Asp
240      820      825      830
242 gag gag atg aga aaa aga aac atg aaa tcc aga atg atc att cag gtt      7544
243 Glu Glu Leu Arg Lys Arg Asn Met Lys Ser Arg Met Ile Ile Gln Val
244      835      840      845
246 cat gac gaa atg gtc ttc gag gtt ccc gat gag gaa aia gaa gaa ata      7592
247 His Asp Glu Leu Val Phe Glu Val Pro Asp Glu Glu Lys Glu Glu Leu
248      850      855      860
250 gtt gat atg atg aag aac aaa atg aca aat gtg gtg aia ctc tct atg      7640
251 Val Asp Leu Val Lys Asn Lys Met Thr Asn Val Val Lys Leu Ser Val
252 865      870      875      880
254 cct ctt gag gtt gac ata agc atc gga aaa agc tgg tct tga      7682
255 Pro Leu Glu Val Asp Ile Ser Ile Gly Lys Ser Trp Ser
256      885      890
259 210 * SEQ ID NO: 2
260 211 * LENGTH: 393
261 212 * TYPE: PRT
262 213 * ORGANISM: Thermotoga neapolitana
264 400 * SEQUENCE: 2

```

## RAW SEQUENCE LISTING

DATE: 06/08/2001

PATENT APPLICATION: US/09/641,319

TIME: 16:49:41

Input Set : A:\04578~1.txt

Output Set: N:\CRF3\06082001\I641319.raw

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366 Met Ala Arg Leu Phe Leu Phe Asp Gly Thr Ala Leu Ala Tyr Arg Ala
367 1 5 10 15
370 Tyr Tyr Ala Leu Asp Arg Ser Leu Ser Thr Ser Thr Gly Ile Pro Thr
371 20 25 30
374 Asn Ala Val Tyr Gly Val Ala Arg Met Leu Val Lys Phe Ile Lys Glu
375 35 40 45
378 His Ile Ile Pro Glu Lys Asp Tyr Ala Ala Val Ala Phe Asp Lys Lys
379 50 55 60
382 Ala Ala Thr Phe Arg His Lys Leu Leu Glu Ala Tyr Lys Ala Gln Arg
383 65 70 75 80
386 Pro Lys Thr Pro Asp Leu Leu Val Gln Gln Leu Pro Tyr Ile Lys Arg
387 85 90 95
390 Leu Ile Glu Ala Leu Gly Phe Lys Val Leu Glu Leu Glu Gly Tyr Glu
391 100 105 110
394 Ala Asp Asp Ile Ile Ala Thr Leu Ala Val Lys Gly Cys Thr Phe Phe
395 115 120 125
398 Asp Glu Ile Phe Ile Ile Thr Gly Asp Lys Asp Met Leu Gln Leu Val
399 130 135 140
402 Asn Glu Lys Ile Lys Val Trp Arg Ile Val Lys Gly Ile Ser Asp Leu
403 145 150 155 160
406 Glu Leu Tyr Asp Ser Lys Lys Val Lys Glu Arg Tyr Gly Val Glu Pro
407 165 170 175
410 His Gln Ile Pro Asp Leu Leu Ala Leu Thr Gly Asp Glu Ile Asp Asn
411 180 185 190
414 Ile Pro Gly Val Thr Gly Ile Gly Glu Lys Thr Ala Val Gln Leu Leu
415 195 200 205
418 Gly Lys Tyr Arg Asn Leu Glu Asp Ile Leu Glu His Ala Arg Glu Leu
419 210 215 220
422 Pro Gln Arg Val Arg Lys Ala Leu Leu Arg Asp Arg Glu Val Ala Ile
423 225 230 235 240
426 Leu Ser Lys Lys Leu Ala Thr Leu Val Thr Asn Ala Pro Val Glu Val
427 245 250 255
430 Asp Trp Glu Glu Met Lys Tyr Arg Gly Tyr Asp Lys Arg Lys Leu Leu
431 260 265 270
434 Pro Ile Leu Lys Glu Leu Glu Phe Ala Ser Ile Met Lys Gln Leu Gln
435 275 280 285
438 Leu Tyr Glu Glu Ala Glu Pro Thr Gly Tyr Glu Ile Val Lys Asp His
439 290 295 300
442 Lys Thr Phe Glu Asp Leu Ile Glu Lys Leu Lys Glu Val Pro Ser Phe
443 305 310 315 320
446 Ala Leu Asp Leu Glu Thr Ser Ser Leu Asp Pro Phe Asn Cys Glu Ile
447 325 330 335
450 Val Gly Ile Ser Val Ser Phe Lys Pro Lys Thr Ala Tyr Tyr Ile Pro
451 340 345 350
454 Leu His His Arg Asn Ala Gln Asn Leu Asp Glu Thr Leu Val Leu Ser
455 355 360 365
458 Lys Leu Lys Glu Ile Leu Glu Asp Pro Ser Ser Lys Ile Val Gly Gln
459 370 375 380
462 Asn Leu Lys Tyr Asp Tyr Lys Val Leu Met Val Lys Gly Ile Ser Pro

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 <213> Artificial/Unknown

<220>  
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44

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 <212> DNA  
 <213> Artificial/Unknown

<220>  
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 <223> Synthetic

<400> 4  
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*Invalid <213> response.  
 Artificial sequence and unknown  
 are separate responses. They  
 may occur only once. But  
 must be accompanied by  
 <220>, <223> features.*

37

<210> 5  
 <211> 39  
 <212> DNA  
 <213> Artificial/Unknown

<220>  
 <221> misc\_feature  
 <223> Synthetic

<400> 5  
 agggcagggc tgtgccatca aagagaaata gtctcgcca

39

Please Refer

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/641,319

DATE: 06/08/2001

TIME: 16:49:42

Input Set : A:\04578~1.txt

Output Set : N:\CRF3\06082001\I641319.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:493 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3  
L:507 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4  
L:521 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5  
L:535 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6  
L:549 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7  
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L:605 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11  
L:619 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12  
L:633 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13  
L:647 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14  
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## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/641,319

DATE: 06/08/2001

TIME: 16:49:42

Input Set : A:\04578~1.txt

Output Set: N:\CRF3\06082001\I641319.raw

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L:4488 M:220 C: Keyword misspelled or invalid format, &lt;213&gt; ORGANISM for SEQ ID#:51